

Patent Abstracts of Japan

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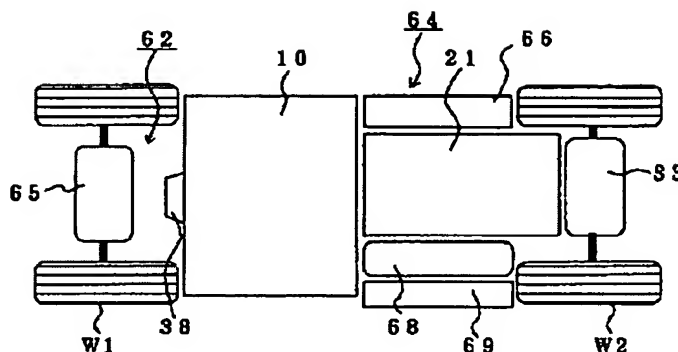
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TITLE : VEHICLE EQUIPPED WITH FUEL CELL



ABSTRACT : PROBLEM TO BE SOLVED: To reduce duct resistance in piping, downsize a vehicle equipped with fuel cells, and stabilize current generation.

SOLUTION: This vehicle includes a fuel cell stack 10, an air supply means supplying the air taken from the outside of the vehicle to the fuel cell stack 10, and a hydrogen supply device disposed adjacent to the fuel cell stack 10 downstream in the traveling direction to generate hydrogen gas and to supply it to the fuel cell stack 10. The gas discharged from the fuel cell stack 10 is delivered to the hydrogen supply device, thereby accelerating discharge of hydrogen gas from the hydrogen supply device. The air and gas in the fuel cell stack 10 and the hydrogen supply device can be flowed from the upstream to the downstream side in the traveling direction of the vehicle equipped with a fuel cell. It is thus possible to simplify the piping for air supplying and gas discharging system and prevent significant change in the flowing direction of air and gas.

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